



EII USES GOCATOR 2380A IN ITS PACKAGE SIZING MACHINE

ABOUT THE CLIENT

Based out of Lafayette, Indiana, Engineering Innovation, Inc. (EII) designs cutting-edge packaging products and solutions with maximum savings, excellent service and support, and best of class technology and engineering for their customers.

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**THIS IMAGE IS
A PLACE HOLDER.
PLEASE PROVIDE
REAL IMAGE.**

The Challenge

Postal package sizing requires the rapid measurement of different shapes and sizes in order to determine optimal shipping costs and strategies.

Manual inspection and static machines are unable to handle the high-speed, high-volume throughput demands of this process, and are therefore costly, inefficient and error-prone solutions to this application.

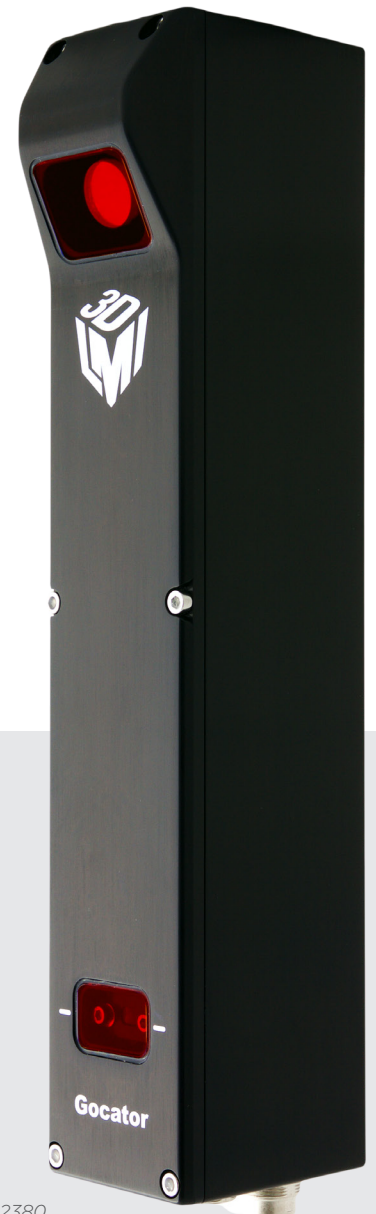
The challenge EII faced was developing a better package sizing system that can fully automate sizing analysis and controls as packages pass on a conveyor in rapid, continuous motion.

The Solution

EII chose the Gocator 2380A Smart Sensor to anchor their new package sizing system.

The compact, industrial all-in-one Gocator 2380A 3D smart sensor is integrated directly into the EII Postal Package Sizing Machine, which includes a scanner, conveyor belt and weight scale.

Using Gocator 2380A, EII's system measures the weight and LengthxWidthxHeight of each package at high-speed. The 3D data Gocator collects is processed in real-time to make instant control decisions.



G2380

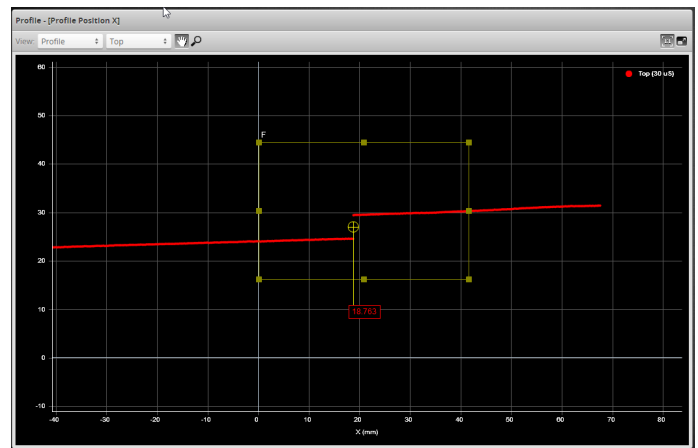
Advantages of the Gocator 2380 sensor:

- Provides 3D volumetric measurement of values such as package length, width and height
- High scan speed to meet (up to 5kHz) to meet production demands
- Large field-of-view (up to 1260mm) to capture everything from small to large packages
- Real-time 3D data processing minimizes latency
- Easy integration into existing EII system; top mount format makes it ideal for in-line, in-motion assembly line inspection
- Built in measurement tools eliminate image analysis software development
- Provides 2D intensity images for package Optical Character Recognition (OCR)

Advantages of the EII Postal Package Sizing Machine:

- Scale detects parcel weights down to one ounce
- Handles packages as large as 20" x 20" x 14" and up to 70 lb
- Processes 1000-2000 parcels per hour
- Manifest Mailing System (MMS) processes mixed-weight parcels using a permit indicia.
- Outputs a unique mailing label featuring indicia, postal barcode, unique piece ID, and proprietary sorting codes
- Tracks every mail piece to its maximum discount level for easy verification and billing

“Gocator delivers the high scan speed and the built-in 3D volumetric measurement tools we need for effective package sizing inspection.”
—Don Caddy, Chief Operating Officer, EII



Flap Edge Location Profile Profile.

The Results

The EII Postal Package Sizing Machine delivers fully automated sizing inspection for optimal throughput, successfully achieving package size measurement repeatability of <3mm at 1m/sec, or greater than 60 packages per minute.

To learn more about Gocator All-In-One 3D Smart Sensors,
please email contact@lmi3d.com

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LMI Technologies has offices worldwide. All contact information is listed at lmi3d.com/contact/locations